

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/01660

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G10L19/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G10L G06F H04N H04S

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 112 169 A (DOLSON MARK) 29 August 2000 (2000-08-29) abstract	1-15
A	WO 89 09985 A (MASSACHUSETTS INST TECHNOLOGY) 19 October 1989 (1989-10-19) abstract	1-15
A	EP 0 538 877 A (MICOM COMMUNICATIONS CORP) 28 April 1993 (1993-04-28) abstract	1-15
A	US 5 475 629 A (TAKAHASHI SUSUMU) 12 December 1995 (1995-12-12) abstract	1-15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

26 June 2003

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11.07.2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 2001/023396 A1 (CUPERMAN VLADIMIR ET AL) 20 September 2001 (2001-09-20) abstract</p> <p>-----</p>	1-15

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6112169	A	29-08-2000	EP	1008138 A1	14-06-2000
			WO	9820481 A1	14-05-1998

WO 8909985	A	19-10-1989	US	4937873 A	26-06-1990
			AU	3736289 A	03-11-1989
			CA	1337665 C	28-11-1995
			WO	8909985 A1	19-10-1989

EP 0538877	A	28-04-1993	US	5189701 A	23-02-1993
			DE	69232904 D1	27-02-2003
			DE	69232904 T2	18-06-2003
			EP	0538877 A2	28-04-1993

US 5475629	A	12-12-1995	JP	3310682 B2	05-08-2002
			JP	5216482 A	27-08-1993
			EP	0552927 A2	28-07-1993
			US	5392231 A	21-02-1995

US 2001023396	A1	20-09-2001	US	6233550 B1	15-05-2001
			WO	9910719 A1	04-03-1999